# Flood Risk Assessment:

## 50 Appleford Rd, RG30 3NX

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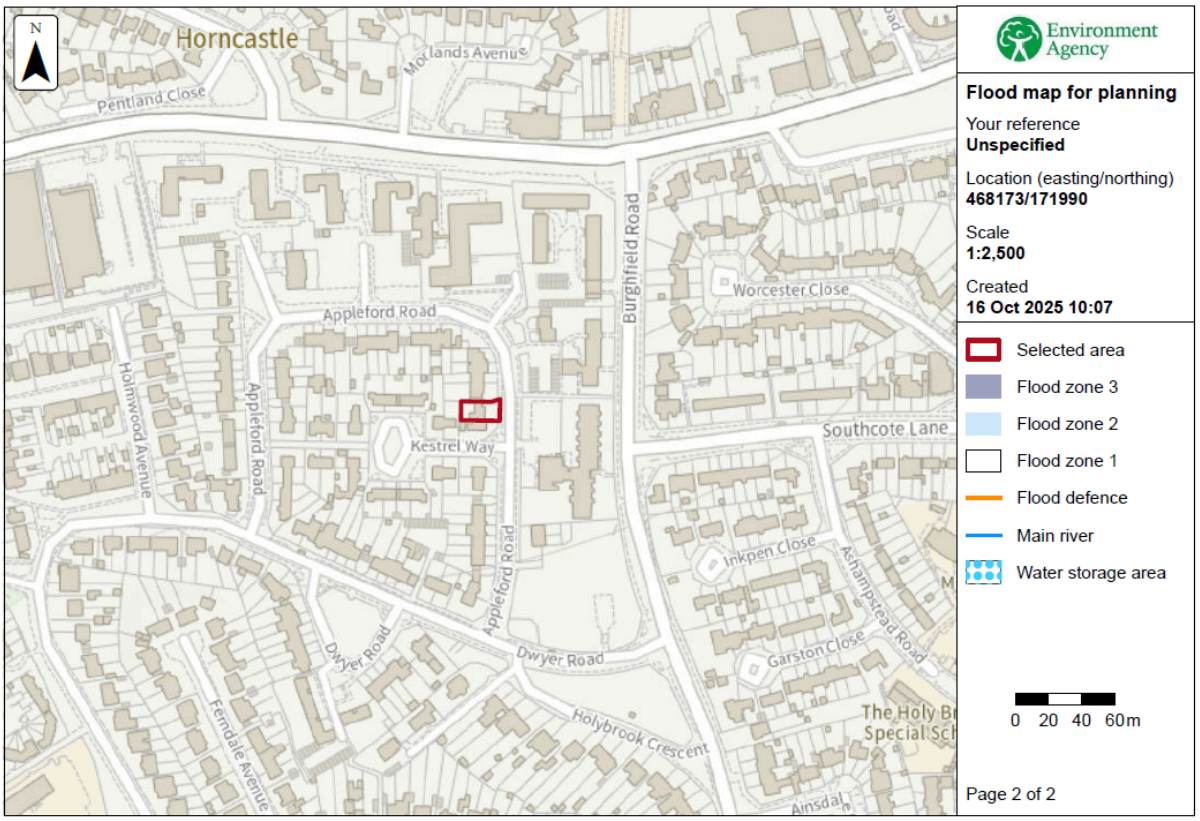
## Description of Development

Demolish existing conservatory and replace with a single story ground floor rear extension

## Site analysis:

- The property is located in Flood Zone 1

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## Conclusion:

This site-specific FRA has been prepared in order to assess the risk of flooding to the proposed development at the application site.

The flood risk of the site has been carefully considered with due regard to relevant planning policies and guidance, and the site specifics of the application site and the proposed development.

In accordance with these relevant policies and guidance, we have reviewed flood resistance features to ensure that any potential risk to the occupants of the property and its surroundings has been suitably designed into the development.

These include the following features:

The proposed finished floor level of the demolish existing conservatory and replace with a single story ground floor rear extension will be consistent with the existing and the internal FFL is set higher than the external ground level to help counter the risk of flooding.

● The existing exterior ground level will not be altered.

● The proposed rear patio shall be constructed with permeable paving.

● The proposed external doors will be sealed to protect from the elements.

● The construction detailing of the walls and floor will include stainless steel ties, lime based plaster, rigid insulation, lapped DPC/DPM,

● Electrical services will run through the ceiling and the walls rather than the floors.

● Drainage channels, aco drains and surface water drains will be provided where necessary.

● Any collected surface water will be directed into a soakaway rather than the mains.